

Appendix L

NO_x Reductions in DFW Nonattainment Area in 1998 by Texas Utilities for CARE

NO_x Reductions in DFW Nonattainment Area in 1998 by Texas Utilities for CARE

Plant	Unit	1990 NO _x tpod	1996 NO _x tpod	1990 Fuel Input 10 ¹² Btu	1996 Fuel Input 10 ¹² Btu	1/97- 8/98 24-hr Max ¹	Control Added in 1998	1998 Control %R	1996 tpod Reduced w/1998 Controls ²
Collin	1	0.68	0.89	3.02	1.90	0.134	-	-	-
Dallas	3	0.71	0	0.55	0	0	retired	-	-
	9	0.33	0	0.47	0	0	retired	-	-
Eagle Mountain	1	2.55	1.23	0.96	1.00	0.709	BOOS	60%	0.74
	2	4.72	2.70	3.53	3.75	0.422	BOOS	45%	1.21
	3	2.16	1.60	3.16	4.57	0.229	tuning	9%	0.14
Handley	1A/B	0.12	0	0.13	0	0.282/ 0.323	-	-	-
	2	0.69	1.07	0.32	1.08	0.540	-	-	-
	3	17.01	9.01	15.90	15.21	0.536	tuning	18%	1.62
	4	1.14	2.17	3.26	6.09	0.191	-	-	-
	5	1.74	1.65	5.31	5.43	0.187	-	-	-
Lake Hubbard	1	6.38	1.74	8.63	3.10	0.325	-	-	-
	2	14.01	7.77	22.01	16.02	0.369	LNB	45%	3.50
Mountain Creek	2	0.20	0	0.11	0	0.329	-	-	-
	3A/B	3.70	0	0.25	0	0.338/ 0.284	-	-	-
	6	2.79	1.03	1.42	1.47	0.495	tuning	28%	0.29
Mountain Creek	7	2.60	3.72	1.43	2.89	0.749	BOOS	45%	1.67

Plant	Unit	1990 NO _x tpod	1996 NO _x tpod	1990 Fuel Input 10 ¹² Btu	1996 Fuel Input 10 ¹² Btu	1/97- 8/98 24-hr Max ¹	Control Added in 1998	1998 Control %R	1996 tpod Reduced w/1998 Controls ²
	8	7.75	6.68	21.50	20.21	0.239	-	-	-
North Lake	1	4.95	1.28	4.21	3.38	0.344	tuning	10%	0.13
	2	3.79	2.13	3.57	4.47	0.367	tuning	25%	0.53
	3	1.03	5.10	9.95	8.94	0.431	tuning	12%	0.61
North Main	4	0.83	0	0.63	0	0.425	-	-	-
Parkdale	1	1.24	2.25	0.74	0.30	0.486	-	-	-
	2	6.86	2.03	2.50	1.35	0.641	-	-	-
	3	3.23	1.68	1.58	1.00	0.587	-	-	-
Total ³	-	91.21	55.73	115.10	102.23	-	-	-	10.44

Notes

¹Short term (24-hr) peak emission rates (lb NO_x/10⁶ Btu) shown here are significantly higher than annual average rates.

²The 1998 controls were added toward the end of the year. A full year of controlled operation is needed to confirm that annual reductions are equal to the identified percent reductions. The tons per ozone day reductions in this column reflect the reductions which would be expected in 1999 if the level and pattern of use was identical to June-August 1996. Year-to-year variation in summer weather and electric demand affect total emissions.

³Reported NO_x emissions decreased 39% from 1990 to 1996, while the fuel input decreased only 11%. The 1990 emissions are based on short term tests and emission factor calculation, both of which tend to bias NO_x data high. The 1996 annual and 1/97-8/98 maximum 24-hr NO_x emissions data is based on monitoring and is much more accurate than the 1990 data.